

Converting Colors

XYZ(41.6539, 21.1535, 96.4810)

Have a look what the booklet for
XYZ(41.6539, 21.1535, 96.4810)
contains.

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Color

**XYZ(41.7395, 21.1898,
96.4979)**

Conversions

Conversions Part 1

Format	Color
Hex	C333FF
RGB	195, 51, 255
RGB Percent	76%, 20%, 100%
CMY	0.2353, 0.8000, 0.0000
CMYK	0.24, 0.80, 0.00, 0.00
HSL	282°, 100%, 60%
HSV	282°, 80%, 100%
XYZ	41.7395, 21.1898, 96.4979
YIQ	117.3120, 20.3400, 93.9720

Conversions

Conversions Part 2

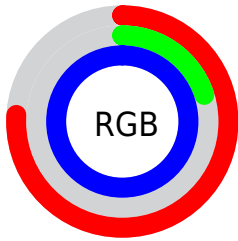
Format	Color
R_{YB}	195, 51, 255
Decimal	12792831
CIE _{Lab}	53.16, 81.96, -72.87
CIE _{LCh}	53, 109.673, 318.358
Yxy	21.1898, 0.2618, 0.1329
Android (android.graphics.Color)	4290982911 (0xFFC333FF)
YUV	117.3120, 67.8802, 68.1324
Hunter-Lab	46.0324, 81.2968, -92.0672

Details

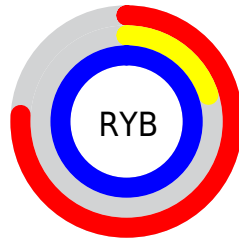
The XYZ color **41.7395, 21.1898, 96.4979** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **42.9135, 75.1387, 15.3740**, and the grayscale version is **16.7982, 17.6730, 19.2459**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **20.0697, 9.1821, 53.5379** is the 20% darker color. If you saturate the color by 10%, you get **39.0253, 18.5654, 96.1344**, and if you desaturate by 10%, it is **45.1627, 25.0855, 97.0694**.

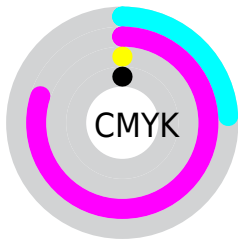
Distribution



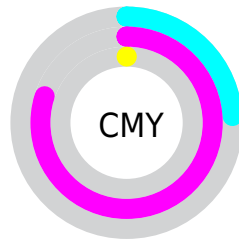
- Red (76%)
- Green (20%)
- Blue (100%)



- Red (76%)
- Yellow (20%)
- Blue (100%)



- Cyan (24%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7395, 21.1898, 96.4979 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.7395, 21.1898, 96.4979 by changing the saturation by 10% instead.


 41.7395, 21.1898,
96.4979


 41.7395, 21.1898,
96.4979

344.4120,
258.2855, 570.0557


 29.0876, 13.2628,
72.7785


 77.0729, 45.4032,
158.3457


 19.2917, 7.6098,
53.3042


 100.4850, 62.4584,
197.3113

 11.9865, 3.8463,
37.6563


 128.2146, 83.3251,
242.1960

 6.8066, 1.5879,
25.4163

 160.6270,
108.3878, 293.4184

 3.3867, 0.3495,
16.1656

 198.0876,
138.0307, 351.3970

 1.3614, 0.0000,
9.4858

240.9617,

 0.2285, 0.0000,

172.6384, 416.5504

4.9583

289.6147,
212.5952, 489.2971

■ 0.0000, 0.0000,
2.1645

■ 0.0000, 0.0000,
0.6538

■ 41.7395, 21.1898,
96.4979

■ 41.7395, 21.1898,
96.4979

■ 39.0253, 18.5654,
96.1344

■ 45.1627, 25.0855,
97.0694

■ 36.8732, 16.9238,
95.9309

■ 49.3809, 30.4257,
97.8778

■ 36.8728, 16.9235,
95.9309

■ 54.4696, 37.3583,
98.9478

■ 60.4941, 46.0120,
100.3006

■ 67.5130, 56.5021,
101.9554

■ 75.5798, 68.9337,
103.9298

■ 84.7442, 83.4040,
106.2398

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.9845, 21.1898, 151.5971



41.7395, 21.1898, 96.4979



50.7013, 21.1898, 38.4510

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.7395, 21.1898, 96.4979



24.9673, 21.1898, 0.0000



5.5516, 21.1898, 49.4941

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.7395, 21.1898, 96.4979



42.9135, 75.1387, 15.3740

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.2710, 21.1898, 12.4621



41.7395, 21.1898, 96.4979



13.9187, 21.1898, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.7395, 21.1898, 96.4979



38.8168, 21.1898, 0.6774



7.6765, 21.1898, 1.3562



8.6860, 21.1898, 110.8477

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.7395, 21.1898, 96.4979



51.1116, 21.1898, 14.9997



7.6765, 21.1898, 1.3562



5.1810, 21.1898, 33.6193

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.7404, 21.1906, 96.4980



72.2225, 63.7192, 103.1002



25.2321, 19.5572, 97.0528



14.8499, 12.7026, 21.9191



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.7404, 21.1906, 96.4980



37.6895, 17.5089, 96.0008



54.5873, 28.4934, 66.3757



18.2418, 18.0164, 22.7660



19.4234, 8.9236, 50.1333



2.0005, 0.9252, 4.8864

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.2934, 24.7758, 17.4345



42.8813, 22.0936, 10.0267



39.0487, 72.9932, 22.1114



18.2291, 18.0750, 19.8237



22.2687, 11.3968, 4.7995



2.2135, 1.1278, 0.7060

Previews

White Background



This preview shows how the XYZ color 41.7395, 21.1898, 96.4979 looks on a white background.

Color Contrast Check

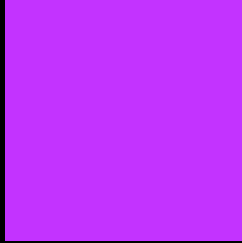
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.7395, 21.1898, 96.4979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

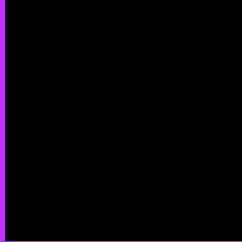
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7395, 21.1898, 96.4979

Background



This preview shows how black text looks on a background with the XYZ color 41.7395, 21.1898, 96.4979.



This preview shows how white text looks on a background with the XYZ color 41.7395, 21.1898,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.7395, 21.1898, 96.4979

Protanopia

25.6684, 21.6619, 97.4360

Deuteranopia

21.8478, 21.5113, 75.6736



Tritanopia

25.9705, 20.9847, 19.2047

Trichromacy



Original Color

41.7395, 21.1898, 96.4979



Protanomaly

26.5411, 17.9430, 96.6722



Deuteranomaly

22.5383, 16.7614, 82.1681



Tritanomaly

29.6747, 19.5515, 38.7690

Monochromacy



Original Color

41.7395, 21.1898, 96.4979



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

22.5665, 16.6385, 38.5814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7395, 21.1898, 96.4979 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(195, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 51, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(195, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 51, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.7395, 21.1898, 96.4979 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 51, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(195, 51, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(195, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 51,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7395, 21.1898, 96.4979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 51, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(195, 51,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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